

Converting Colors

XYZ(65.8797, 79.1776,
106.4183)

Have a look what the booklet for
XYZ(65.8797, 79.1776, 106.4183)
contains.

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Color

**XYZ(65.7385, 78.9398,
106.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	A7F2FF
RGB	167, 242, 255
RGB Percent	65%, 95%, 100%
CMY	0.3451, 0.0510, 0.0000
CMYK	0.35, 0.05, 0.00, 0.00
HSL	189°, 100%, 83%
HSV	189°, 35%, 100%
XYZ	65.7385, 78.9398, 106.3799
YIQ	221.0570, -48.8730, -11.8570

Conversions

Conversions Part 2

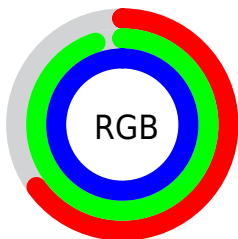
Format	Color
RYB	167, 207, 255
Decimal	11006719
CIELab	91.21, -19.92, -13.62
CIELCh	91, 24.130, 214.352
Yxy	78.9398, 0.2618, 0.3144
Android (android.graphics.Color)	4289196799 (0xFFA7F2FF)
YUV	221.0570, 16.7339, -47.4080
Hunter-Lab	88.8481, -23.4124, -8.7957

Details

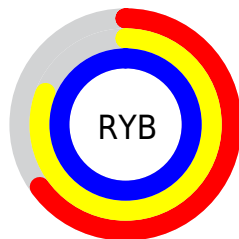
The XYZ color **65.7385, 78.9398, 106.3799** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5365, 56.6924, 44.1024**, and the grayscale version is **68.6799, 72.2566, 78.6875**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **34.3075, 42.5745, 59.8356** is the 20% darker color. If you saturate the color by 10%, you get **59.7644, 74.2150, 105.7828**, and if you desaturate by 10%, it is **72.8020, 84.2643, 107.0353**.

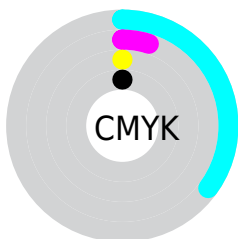
Distribution



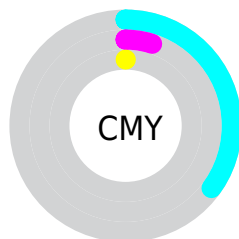
- Red (65%)
- Green (95%)
- Blue (100%)



- Red (65%)
- Yellow (81%)
- Blue (100%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7385, 78.9398, 106.3799 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.7385, 78.9398, 106.3799 by changing the saturation by 10% instead.

65.7385, 78.9398,
106.3799

65.7385, 78.9398,
106.3799

434.9445,
491.3527, 601.8798

48.3271, 58.8463,
80.9928

112.1707,
131.8741, 172.0254

34.2983, 42.4894,
60.0047

141.9223,
165.4837, 213.1209

23.2868, 29.4847,
42.9971

176.5179,
204.3675, 260.2896

14.9273, 19.4478,
29.5514

216.3229,
248.9098, 313.9500

8.8544, 11.9943,
19.2492

261.7027,
299.4951, 374.5207

4.7027, 6.7398,
11.6719

313.0227,

2.1068, 3.2999,

356.5078, 442.4202

6.4008

370.6482,
420.3321, 518.0670

■ 0.6929, 1.2902,
3.0176

■ 0.0000, 0.1336,
1.1036

■ 65.7385, 78.9398,
106.3799

■ 65.7385, 78.9398,
106.3799

■ 59.7644, 74.2150,
105.7828

■ 72.8020, 84.2643,
107.0353

■ 54.8105, 70.0484,
105.2396

■ 81.0063, 90.2094,
107.7504

■ 50.8095, 66.4068,
104.7476

■ 90.4070, 96.8060,
108.5282

■ 47.6831, 63.2497,
104.3030

95.0500, 100.0000,
108.9000

■ 45.3403, 60.5301,
103.9015

■ 43.6695, 58.1901,
103.5379

■ 42.9508, 57.0216,
103.3503

Harmonies

Analogous

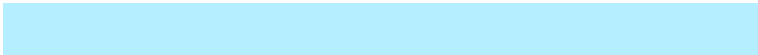
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9097, 78.9398, 88.5316



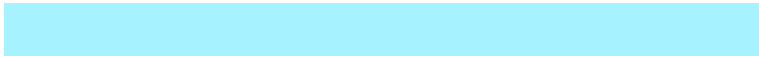
65.7385, 78.9398, 106.3799



70.0565, 78.9398, 120.0081

Triad

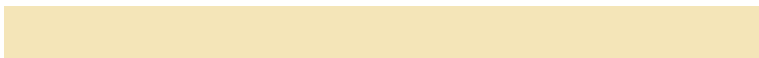
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.7385, 78.9398, 106.3799



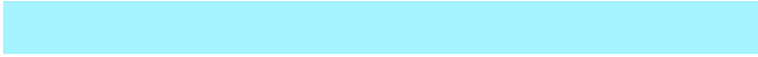
86.1321, 78.9398, 101.3612



74.1416, 78.9398, 56.5668

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.7385, 78.9398, 106.3799



64.5365, 56.6924, 44.1024

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2333, 78.9398, 59.0380



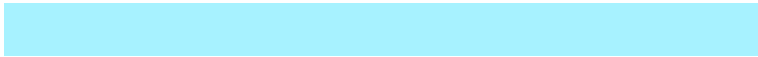
65.7385, 78.9398, 106.3799



87.3705, 78.9398, 83.4230

Square

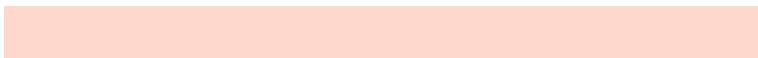
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.7385, 78.9398, 106.3799



81.8595, 78.9398, 116.8456



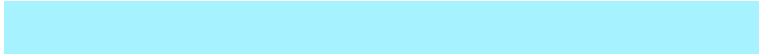
85.1580, 78.9398, 68.3225



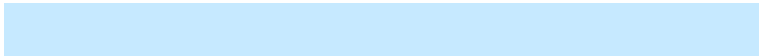
68.5911, 78.9398, 61.0488

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



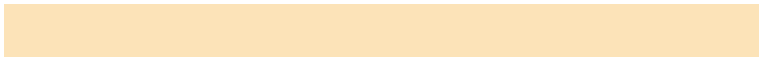
65.7385, 78.9398, 106.3799



73.8790, 78.9398, 123.9906



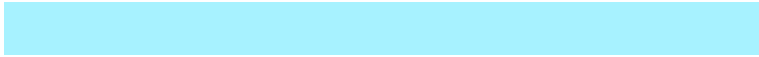
85.1580, 78.9398, 68.3225



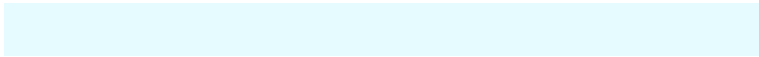
76.1927, 78.9398, 56.6171

Sweetspot

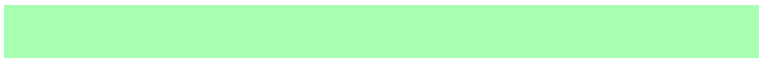
The Sweet Spot groups the original color and five complimentary colors.



65.7406, 78.9428, 106.3803



85.0932, 93.1011, 108.0932



59.8072, 82.9799, 55.3729



17.9351, 19.7314, 23.1132



0.0000, 0.0000, 0.0000



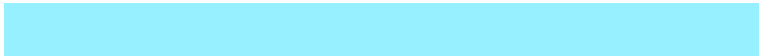
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7406, 78.9428, 106.3803



61.7413, 75.8081, 105.9861



54.4726, 56.4067, 102.6243



18.3128, 19.9972, 23.1446



22.5297, 29.9690, 54.0317



2.2531, 3.0370, 5.2807

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.0871, 55.3099, 90.9371



67.8811, 49.4817, 88.0688



74.5323, 76.6839, 47.4343



18.6705, 18.2515, 22.1482



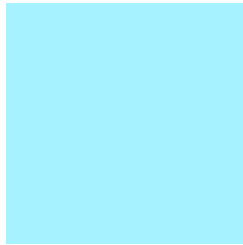
28.1601, 13.7534, 35.8234



2.7719, 1.3511, 3.6461

Previews

White Background



This preview shows how the XYZ color 65.7385, 78.9398, 106.3799 looks on a white background.

Color Contrast Check

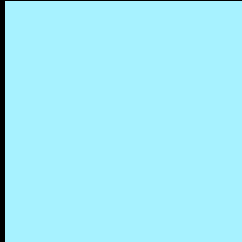
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 65.7385, 78.9398, 106.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.7385, 78.9398, 106.3799

Background



This preview shows how black text looks on a background with the XYZ color 65.7385, 78.9398, 106.3799.

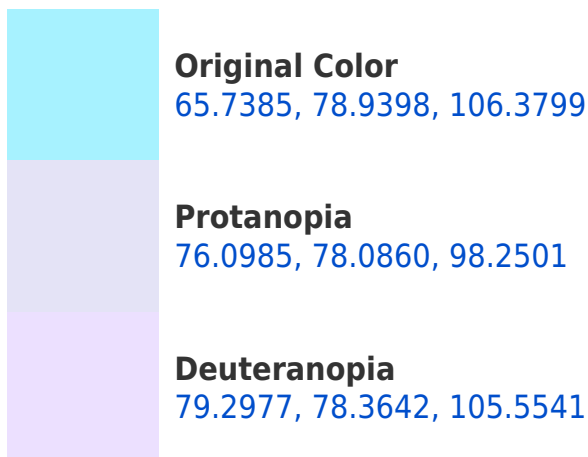


This preview shows how white text looks on a background with the XYZ color 65.7385, 78.9398,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

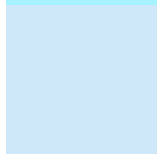
67.9726, 78.7768, 106.2306

Trichromacy



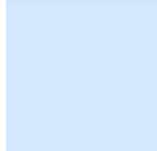
Original Color

65.7385, 78.9398, 106.3799



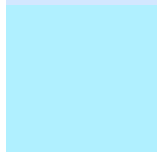
Protanomaly

71.4091, 77.6746, 100.8516



Deuteranomaly

73.4899, 78.2207, 105.8325



Tritanomaly

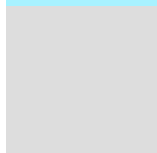
67.1146, 78.7703, 106.2746

Monochromacy



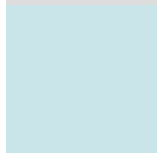
Original Color

65.7385, 78.9398, 106.3799



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.8147, 74.3393, 87.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7385, 78.9398, 106.3799 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 242, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7385, 78.9398, 106.3799 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 242, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(167, 242, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(167, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7385, 78.9398, 106.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 242, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167,  
242, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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